

**US9092428 B1 Claim chart**  
**vs**  
**Harbor Freight Tools**

**U.S. Patent No. US9092428**

Inventor: Guangsheng Zhang

Current Assignee: LINFO IP LLC

Worldwide applications

2014 US

Application US14/225,422 events

2013-03-25 Priority to US201361805141P

2013-04-09 Priority to US201361809893P

2014-03-25 Application filed by Guangsheng Zhang

2014-03-25 Priority to US14/225,422

2016-08-30 Application granted

2016-08-30 Publication of US9430131B1

2021-08-09 Assigned to LINFO IP LLC

2021-09-09 First worldwide family litigation filed

Status Active

2034-10-31 Adjusted expiration

# Related Products

- The following chart is based on Harbor Freight Tools 's web site.

**CUSTOMER REVIEWS**

**4.7**  
Out of 5

Based on 4717 Reviews

Rating	Count
5 Stars	3700
4 Stars	766
3 Stars	101
2 Stars	56
1 Star	94

What Customers Like Best

Category	Count
Price	100+
Power	100+
Great Value	100+
Quality	100+

**96%**  
of Customers Would Recommend This Item

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**Write A Review**

Share your experience to help others  
Tips for creating a great product review

**CUSTOMER PHOTOS AND VIDEOS**



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good tool X

930 Reviews Matching "good tool" | Clear search

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**★★★★★ Well made** August 17, 2022

✓ Recommended  
✓ Price  
✓ Power  
✓ Easy to Use  
✓ Quality  
✓ Durability  
✓ Great Value

Good quality tool.

Was this helpful?  0  0 

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**★★★★★ Great driver/ screwdriver** February 28, 2022

✓ Recommended  
✓ Price  
✓ Power  
✓ Quality  
✓ Great Value

Bauer brand is a quality tool at a good price

Was this helpful?  1  0 

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**★★★★★ Works Great!** July 8, 2022

✓ Recommended  
✓ Price  
✓ Power  
✓ Easy to Use  
✓ Quality  
✓ Size/Weight  
✓ Great Value

Got it for RV use. Good versatile tool.

Was this helpful?  0  0 

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**★★★★★ good tool** August 6, 2022

✓ Recommended  
✓ Price  
✓ Power  
✓ Easy to Use  
✓ Quality  
✓ Durability  
✓ Size/Weight  
✓ Great Value

Works great for home projects

Was this helpful?  0  0 

---

**★★★★★ good tool** September 21, 2022

✓ Recommended  
✓ Price  
✓ Easy to Use  
✓ Quality  
✓ Durability  
✓ Great Value

Easy to use

Was this helpful?  0  0 

# US 9092428: Claims 1

1. A computer-assisted method for discovering information in a text content and extracting and presenting the information, comprising:

obtaining, by a computer system, a text content comprising one or more words or phrases or sentences, each being a term or an instance of a term;

selecting a first semantic attribute and a second semantic attribute for users to select from, wherein the first semantic attribute or the second semantic attribute includes an attribute type or attribute value;

wherein the first semantic attribute is associated with a first name or description, and the second semantic attribute is associated with a second name or description;

identifying a words or phrases in the text content associated with the first semantic attribute or the second semantic attribute;

displaying an actionable user interface object, wherein the actionable user interface object is associated with a label representing the first name or description or the second name or description;

allowing the user to select the first name or description or the second name or description as a user-specified or user-desired attribute;

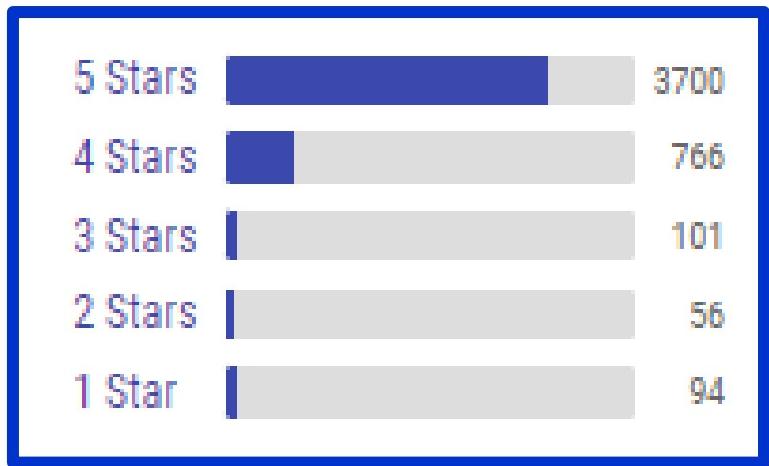
and performing, by the computer system, an action on the word or phrase associated with the user-specified or user-desired semantic attribute, wherein the action includes at least extracting, displaying, storing, showing or hiding, or highlighting or un-highlighting the word or phrase.

# US9092428: Claim 1

1. A computer-assisted method for discovering information in a text content and extracting and presenting the information, comprising:

For Example: Harbor Freight Tools's web site has an **interactive product review section** that allows customers to **filter reviews**.

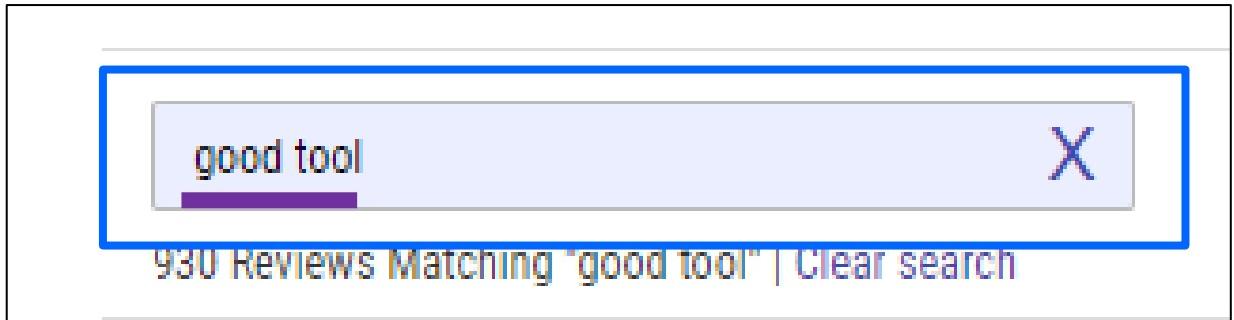
## CUSTOMER REVIEWS



# US9092428: Claim 1

obtaining, by a computer system, a text content comprising one or more words or phrases or sentences, each being a term or an instance of a term;

For Example: The customer inputs “good tool” in the review search section. Harbor Freight Tools’s computer system will receive these terms “good tool”.



<https://www.harborfreight.com/power-tools/drills-drivers/20v-cordless-12-in-drilldriver-kit-63531.html>

# US9092428: Claim 1

selecting a first semantic attribute and a second semantic attribute for users to select from, wherein the first semantic attribute or the second semantic attribute includes an attribute type or attribute value;

For Example: the customer can select a first semantic attribute (5 \* with 3700 reviews) and a second semantic attribute (1 \* with 94 reviews). The first semantic attribute has an attribute type (5 stars) or an attribute value (3700 reviews).

## CUSTOMER REVIEWS

4.7  
Out of 5



Based on 4717 Reviews

5 Stars 3700

4 Stars 766

3 Stars 101

2 Stars 56

1 Star 94

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# US9092428: Claim 1

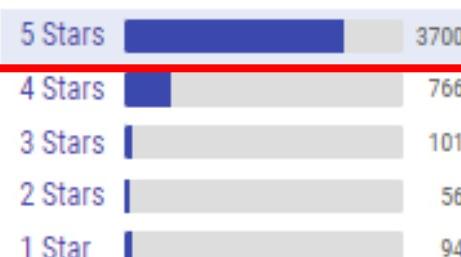
wherein the first semantic attribute is associated with a first name or description, and the second semantic attribute is associated with a second name or description;

For Example: the first semantic attribute (5 stars with 4 reviews) is associated with a 5-star rated description "Good."

## CUSTOMER REVIEWS



Based on 4717 Reviews



What Customers Like Best	
Price	100+
Power	100+
Great Value	100+
Quality	100+

**Write A Review**

Share your experience to help others

Tips for creating a great product review

Search Reviews



3700 Reviews Matching "5 Stars" | Clear Filter



Good

- ✓ Recommended
- ✓ Price
- ✓ Power
- ✓ Easy to Use
- ✓ Quality
- ✓ Size/Weight
- ✓ Great Value
- ✓ Features

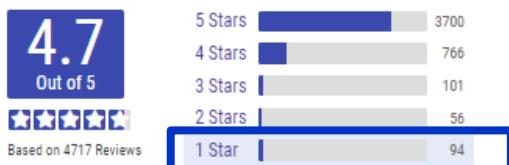
Was this helpful? 0 0  Report

# US9092428: Claim 1

wherein the first semantic attribute is associated with a first name or description, and the second semantic attribute is associated with a second name or description;

For Example: the second semantic attribute (1\* with 94 review) is associated with a 1-star rated description “Poor performance”

## CUSTOMER REVIEWS



What Customers Like Best	
Price	100+
Power	100+
Great Value	100+
Quality	100+

**96%**  
of Customers Would Recommend This Item

## CUSTOMER PHOTOS AND VIDEOS



Search Reviews



94 Reviews Matching "1 Star" | Clear Filter

Sort By:

Highest Rating



Poor performance

Purchased this drill knowing you get what you pay for ( inexpensive) but thought it would last more than using it for drilling 9 holes in metal ?.. battery on full charge drained after 7 holes .. didn't make it through the 9th hole before chuck system defect... returned for full refund

Tom P.  
January 8, 2023

<https://www.harborfreight.com/power-tools/drills-drivers/20v-cordless-12-in-drilldriver-kit-63531.html>

# US9092428: Claim 1

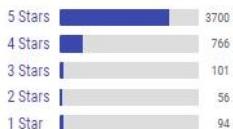
identifying words or phrases in the text content associated with the first semantic attribute or the second semantic attribute;

For Example: "Good tool" is a word that can be identified within the first semantic attribute.

## CUSTOMER REVIEWS

**4.7**  
Out of 5

Based on 4717 Reviews



What Customers Like Best	
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[Write A Review](#)

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Tips for creating a great product review

good tool

X

930 Reviews Matching "good tool" | Clear search



Well made

- ✓ Recommended
- ✓ Price
- ✓ Power
- ✓ Easy to Use
- ✓ Quality
- ✓ Durability
- ✓ Great Value

Was this helpful? 0 0

August 17, 2022



Great driver/ screwdriver

- ✓ Recommended
- ✓ Price
- ✓ Power
- ✓ Quality
- ✓ Great Value

Was this helpful? 1 0

February 28, 2022



Works Great!

- ✓ Recommended
- ✓ Price
- ✓ Power
- ✓ Easy to Use
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- ✓ Size/Weight
- ✓ Great Value

Was this helpful? 0 0

July 8, 2022



good tool

- ✗ Recommended
- ✓ Price
- ✓ Power
- ✓ Easy to Use
- ✓ Quality
- ✓ Durability
- ✓ Size/Weight
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Was this helpful? 0 0

August 6, 2022



good tool

- ✓ Recommended
- ✓ Price
- ✓ Easy to Use
- ✓ Quality
- ✓ Durability
- ✓ Great Value

Was this helpful? 0 0

September 21, 2022

# US9092428: Claim 1

displaying an actionable user interface object, wherein the actionable user interface object is associated with a label representing the first name or description or the second name or description;

For Example: an actionable user interface object is displayed and is associated with a label (good tool) representing the first description (5\* description, “good tool”).

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Good quality tool.

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August 17, 2022

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- Price
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February 28, 2022

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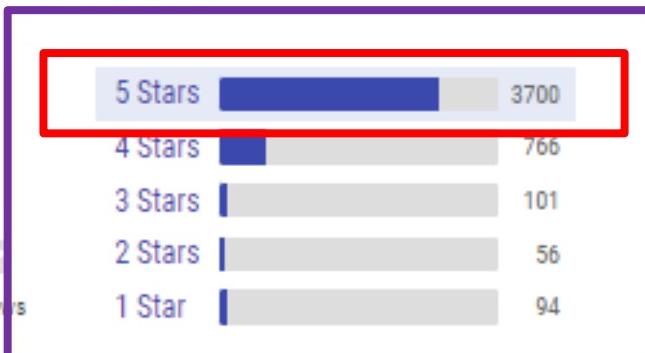
11

# US9092428: Claim 1

allowing the user to select the first name or description or the second name or description as a user-specified or user-desired attribute;

For Example: the user can select 5-star (first description) as a user specified attribute.

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and performing, by the computer system, an action on the word or phrase associated with the user-specified or user-desired semantic attribute, wherein the action includes at least extracting, displaying, storing, showing or hiding, or highlighting or un-highlighting the word or phrase.

For Example: when the customer types “easy” in the search window, the computer displays all of the reviews with “easy” in the descriptions of the 5\* reviews.

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